

## CLAIMS

1. An attachment assembly for mounting to a conventional bench saw having: a frame, a work supporting table on said frame displaying an opening therethrough and a pair of longitudinal grooves on a top face thereof, a moveable structure mounted to said frame and carrying a power operated shaft, and means in said frame for causing vertical displacement of said shaft relative to said table; said attachment assembly comprising:

a tool base detachably mounted to said top face of said table;  
releasable securing means fixed in a pair of grooves connected to  
a tool base for mounting said tool base to said table; and  
a tool device mounted on said tool base including a tool shaft and  
transmission means operatively connecting said tool shaft to said  
power operated shaft whereby rotation of said power operated shaft  
is transmitted to said tool shaft for operation of said tool device.

2. An attachment assembly as defined in claim 1, wherein said base is mounted at three separate points in said pair of grooves, two of said points being located in a first of said grooves and a third point being located in a second of said grooves.

3. An attachment assembly as defined in claim 2, wherein said releasable securing means each consist of three successively aligned cooperating components interconnected by a bolt whereby rotation of said bolt causes transverse displacement of said components relative to one another in said groove to tightly engage said groove or to be disengaged therefrom.

4. An attachment assembly as defined in claim 3, wherein said components have angular abutting faces laterally slid able relative to one another upon tightening and untightening of said bolt.

5. An attachment assembly as defined in claim 3, wherein the middle intermediate component of said three aligned components includes means for securing said base thereto.

6. An attachment assembly as defined in claim 5, wherein said component has a tubular shape.

7. An attachment assembly as defined in claim 1, wherein said transmission means consist of a pulley and a belt, said belt passing through said opening in said table.

8. An attachment assembly as defined in claim 1, wherein said tool device is a saw blade resharpening tool.

9. An attachment assembly as defined in claim 8, further comprising a resharpening wheel mounted on said tool shaft; a support located adjacent said wheel to receive thereon a saw blade to be resharpened; and means allowing said support to move to and from said wheel.

10. An attachment assembly as defined in claim 9, further comprising means to adjust angularly said support relative to said wheel.

11. An attachment assembly as defined in claim 9, further comprising means for teeth locating on said saw blade to be resharpened when in a blade resharpening operation.

12. An attachment assembly as defined in claim 9, further comprising means for pressing said saw blade downwardly to prevent vibrations during blade resharpening operation.

13. An attachment assembly as defined in claim 10, further comprising means for micrometric positioning of said teeth locating means.